

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/S23,729A
Source: PCT
Date Processed by STIC: 4-14-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/523,729A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 04/14/2006

PATENT APPLICATION: US/10/523,729A

TIME: 10:25:12

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

3 <110> APPLICANT: akzo nobel n.v.
 5 <120> TITLE OF INVENTION: novel bacterial expression system
 7 <130> FILE REFERENCE: 2002.012
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/523,729A
 C--> 9 <141> CURRENT FILING DATE: 2005-02-04
 9 <160> NUMBER OF SEQ ID NOS: 9
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 29
 15 <212> TYPE: DNA
 16 <213> ORGANISM: Bacillus subtilis
 18 <400> SEQUENCE: 1
 19 ttgtaaaggg acaagagctt tggataat
 22 <210> SEQ ID NO: 2
 23 <211> LENGTH: 94
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Bacillus subtilis
 27 <400> SEQUENCE: 2
 28 ttgtaaaggg acaagagctt tggataata taaaattgtg agtaatagaa ttattgctcc 60
 30 ttgcccatta tgggccgctt agtccaaaag gagg 94
 33 <210> SEQ ID NO: 3
 34 <211> LENGTH: 113
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Bacillus subtilis
 38 <400> SEQUENCE: 3
 39 gatgcagttg taaagggaca agagctttgg tataatataa aattgtgagt aatagaatta 60
 41 ttgctccttg ccattatgg gccgcttagt ccaaaaggag gtgcaaacag atg 113
 44 <210> SEQ ID NO: 4
 45 <211> LENGTH: 20
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Bacillus subtilis
 49 <220> FEATURE:
 50 <221> NAME/KEY: misc_feature
 51 <222> LOCATION: (8)..(8)
 52 <223> OTHER INFORMATION: N
 55 <220> FEATURE:
 56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: (13)..(14)
 58 <223> OTHER INFORMATION: N
 61 <220> FEATURE:
 62 <221> NAME/KEY: misc_feature
 63 <222> LOCATION: (17)..(18)
 64 <223> OTHER INFORMATION: N

Does Not Comply
 Corrected Diskette Needed

(pg. 1-2)

Invalid
 Response

Same
 error

PLS
 explain
 "N"
 locations.

See item #9 on error summary
 sheet, 4/14/2006

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DATE: 04/14/2006

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Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

67 <220> FEATURE:
 68 <221> NAME/KEY: misc_feature
 69 <222> LOCATION: (20)..(20)
 70 <223> OTHER INFORMATION: N
 73 <400> SEQUENCE: 4
 W--> 74 atttaatatnta tannatnnan 20
 77 <210> SEQ ID NO: 5
 78 <211> LENGTH: 33
 79 <212> TYPE: DNA
 80 <213> ORGANISM: Bacillus subtilis
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (6)..(6)
 85 <223> OTHER INFORMATION: N
 88 <220> FEATURE:
 89 <221> NAME/KEY: misc_feature
 90 <222> LOCATION: (21)..(21)
 91 <223> OTHER INFORMATION: N
 94 <220> FEATURE:
 95 <221> NAME/KEY: misc_feature
 96 <222> LOCATION: (26)..(27)
 97 <223> OTHER INFORMATION: N
 100 <220> FEATURE:
 101 <221> NAME/KEY: misc_feature
 102 <222> LOCATION: (30)..(31)
 103 <223> OTHER INFORMATION: N
 106 <220> FEATURE:
 107 <221> NAME/KEY: misc_feature
 108 <222> LOCATION: (33)..(33)
 109 <223> OTHER INFORMATION: N
 112 <220> FEATURE:
 113 <221> NAME/KEY: misc_feature
 114 <222> LOCATION: (11)..(13)
 115 <223> OTHER INFORMATION: N
 118 <400> SEQUENCE: 5
 W--> 119 ttatttnattt nnnatttaatt ntatannatn nan 33
 122 <210> SEQ ID NO: 6
 123 <211> LENGTH: 33
 124 <212> TYPE: DNA
 125 <213> ORGANISM: Bacillus subtilis
 127 <400> SEQUENCE: 6
 128 ttatttcattt ccgatttaatt gtataggatg cag 33
 131 <210> SEQ ID NO: 7
 132 <211> LENGTH: 43
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Bacillus subtilis
 136 <400> SEQUENCE: 7
 137 aaaagtacat atttcttcaa agggaaaaaag caaaagatgt ttt 43
 140 <210> SEQ ID NO: 8

Same
errorSee item
#9 or
error
Summary
SheetSame
error

RAW SEQUENCE LISTING

DATE: 04/14/2006

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TIME: 10:25:12

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

```
141 <211> LENGTH: 154
142 <212> TYPE: DNA
143 <213> ORGANISM: Bacillus subtilis
145 <400> SEQUENCE: 8
146 aaaagtacat atttcttcaa aggaaaaaag caaaagatgt ttttagctga aggaaaaatg      60
148 aaaacgaaag ataaaaacag aggctgaaag ccatttttaa gcgtttttct tttcttggtg      120
150 catcatttac aatacatata accgcaagga gagg                                     154
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 166
155 <212> TYPE: DNA
156 <213> ORGANISM: Bacillus subtilis
158 <400> SEQUENCE: 9
159 aaaagtacat atttcttcaa aggaaaaaag caaaagatgt ttttagctga aggaaaaatg      60
161 aaaacgaaag ataaaaacag aggctgaaag ccatttttaa gcgtttttct tttcttggtg      120
163 catcatttac aatacatata accgcaagga gaggaggaat cgcattg                                     166
```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/523,729A

DATE: 04/14/2006
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Input Set : F:\Sequence Listing 10523729.txt
Output Set: N:\CRF4\04142006\J523729A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 8,13,14,17,18,20

Seq#:5; N Pos. 6,11,12,13,21,26,27,30,31,33

VERIFICATION SUMMARY

DATE: 04/14/2006

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TIME: 10:25:13

Input Set : F:\Sequence Listing 10523729.txt

Output Set: N:\CRF4\04142006\J523729A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0